



# ISM Workshop

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## Independent Oversight Perspectives

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# Presentation Outline

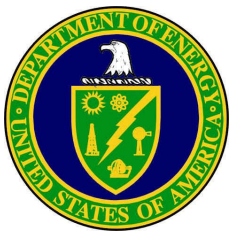
- Work Planning and Control
- Essential Safety Systems
- Feedback and Improvement
- Worker Safety and Health (10 CFR 851)
- Measuring and Monitoring ISM
- Role of DOE's National Training Center



# Work Planning and Control

## Positive Attributes

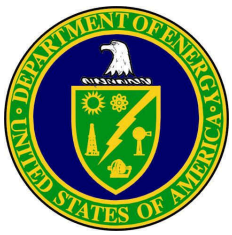
- Defining Work
- Procedure Compliance – workers are willing to comply with all identified requirements
- Increased managers', supervisors', and workers' willingness to perform self-assessments



# Work Planning and Control

## Weaknesses

- Hazard Analysis – Not conducted on all hazards.
- Controls – Not clearly specified in work documents, Not adequately integrated into work instructions or procedures.
- Feedback and Improvement – post-job reviews not effectively performed, no mechanisms to capture improvements in future work.



# Essential Safety Systems

## Positive Attributes

- Most Systems have a Robust Design
- Configuration Management Improvements
- Conduct of Surveillances
- Material Condition
- Operators and Procedures



# Essential Safety Systems

## Weaknesses

- Rigor and Attention to Detail in Design
- Configuration Management Implementation
- Seismic Evaluations
- Comprehensiveness of Surveillances
- Some Aspects of Maintenance and Procurement



# Feedback and Improvement

- DOE Line Oversight
  - Lack of Focus on Performance
  - Inadequate Data Management
- Contractor Assurance Systems
  - Improving process
  - Insufficient Rigor in Implementation



# Feedback and Improvement

## Issues Management

- DOE Line
  - Lack of Infrastructure, Attention, Accountability
- Contractors
  - Some Improvement – Single Systems
  - Significant Attention is Applied to Big Items  
However Sustainability is Lacking
  - Lower Level Items, Precursors not Being Addressed





# DOE Policy and Order 226.1

- Fulfills a need for a comprehensive framework for integrated management and a strategic approach to selecting oversight activities (not necessarily more assessments)
- Focus area for 2006 oversight inspections
- Initial indications are that current efforts have not been focused or systematic



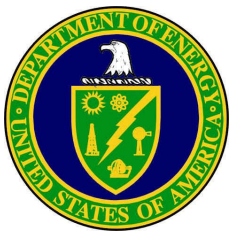
# Worker Safety and Health Rule (10 CFR 851)

- 2006 Focus Area – Workplace Monitoring
- Implementation Challenges
  - Site Specific Plans
  - Regulatory Environment
  - Subcontractors
  - Workplace monitoring



# Measuring and Monitoring ISM

- Need to focus on data gathering and analysis for areas in need of improvement
  - Work Control
  - Engineering Design
  - Configuration Management
  - Feedback and Improvement



# Role of DOE's National Training Center

- More Rigorous Training/Certification for Department Oversight Personnel
- Training and Mentoring on DOE 226.1 Policy and Order
- Assessment Techniques/Root Cause
- New Worker Safety Rule